

Film Formation in the Manufacture of Vulcanized
Fiber, by F. I. Korshenkin.
RUSSIAN, per, Russian Press, Vol 39, No 7, 1964,
pp 14-16.
AKS 21-5877

Sci-Math & Equip
July 69

3865,766

Distribution of Resin in the Process
of Sulphite Pulping of Water Stored
Wood, by S. S. Malovskaya.
RUSSIAN, per, Bumazhnaya Promyshlennost,
No 12, 1964, pp 7-9.
NTC 72-10491-11L

Apr 72

Preparation and Investigation of Low-Substituted
Hydroxyethylcellulose, by Ye. L. Akin.
RUSSIAN, per, Soviet Union, No 12, 1964, pp 193-
198.

ATB RJ-5230

Sci-Chem
July 69

385,767

Acetylation of Slightly Substituted Hydroxyethyl-
cellulose, by Ye. L. Akin.
RUSSIAN, per, Russkaya Press, No 12, 1964, pp 199-
205.
ATB RJ-5831

Sci-Chem
July 69

385,768

Oiled-cotton Insulation in High Voltage
Systems, by M. A. Greisukh.
RUSSIAN, bk, Dumashno-malyanaya i
Zolyatsiya v Vysokovoltnykh Konstruktsiyakh,
1963, 299 pp.
MLL RTS 31527 (On Loan)

Aug 65

287,208

Table of Contents, 1 p.

RUSSIAN, for, Bamukun Observatory Soobshcheniya,
No 16 (xvi), 1955.

CIA/TOD X-2176

Table of Contents only of:

RUSSIAN, per, Burakan Observ, Vol XVII, 1956.

CIA/FDD X-2333

Table of Contents of:

RUSSIAN, ver, Burakan Observ, Vol XVIII, 1956.

CIA/FDD X-2333

DC

21052

14 Mar 69 SF

Selected pages from book by A.L.II'skiy

Russian, book, Durovyie mashiny, mekhanizmy i soorusheniya, Moscow, 1967, pp129-131, 142, pp254-257, 322, 350, pp450-452,

Special Type "B": Translator's draft plus one incl. captions to diagrams, tables incl. etc.

source- do not mutilate pp

Buryatiya, by I. I. Galaktionov, 2 pp.

RUSSIAN, bk, -~~2~~ Buryatiya, 1959, extracts pp 4-91.
(Call No. HC337 B9G14 Eng Tr)

Army Map Service

USSR

Geog

May 63

A HIGH-SPEED TRANSISTORIZED MULTIPLICATION CIRCUIT,
BY A. F. SHIRNOV, 13 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOMU PEREYODU I AVTOMATICHESKONU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT 63

340,570

ALTERNATING CURRENT ADDRESS SYSTEM POWER SUPPLY,
BY V. N. PETRUNICHEV, 9 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENCE I PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT 63

346,584

CONTEMPORARY PROBLEMS OF SCIENTIFIC AND TECHNICAL
INFORMATION, BY A. I. MIKHAYLOV, 9 PP.

RUSSIAN, BK, RYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KONFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOMU PEREVODU I AVTOMATICHESKOMU CHTENIYU TEKSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC

OCT '63

246,573

COMPARISON OF PARAMETERS OF FERRITE-DIODE, FERRITE
TRANSISTOR, SEMICONDUCTOR AND VACUUM TUBE LOGICAL
CIRCUITS, BY B. I. PEREL'MAN.

RUSSIAN, BK, RYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSI I PO OBRABOTKE INFORMAT, MASHIN-
NOMU PEREVODU I AVTOMATICHESKOMU CHTENIYU TEKSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT. 63

346,575

TRAN

CONSTRUCTION OF A HIGH-CAPACITY MAGNETIC MEMORY U. IT,
BY K. K. BRILING, YU. KH. KRIVORUTSKIY, 7 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961, GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT. 63

346,589

CURRENT TRENDS IN THE DEVELOPMENT OF MAGNETIC OPERATIVE
MEMORY UNITS, BY R. V. SMIRNOV, 20 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961, GODA,
MOSCOW, 1962, PP1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT. 63
MAGNETI

346,586

EXPERIENCE IN THE INDUSTRIAL EXPLOITATION OF THE MOZU-
1000 MAGNETIC MEMORY DEVELOPMENT OF THE LEM VINITI, BY
N. A. KARAL'NIK, 6 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSI I PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT. 63

346,583

INDUSTRIALLY PRODUCED MAGNETIC FERRITE ELEMENTS,
BY K. I. KUREAKOV, V. I. KUZNETSOV, 31 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT

63

346,579

ON FUNDAMENTALS FOR DESIGNING MACHINES FOR INFORMATION
PROCESSING, BY AN A. M. VASIL'YEV, 11 PP

RUSSIAN, BK, VYCHISLITEL'NAYA I INFORMAT TEXH, SBORNIK
MATERIALOV KONFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOMU PEREVODU I AVTOMATICHESKOMU CHTENIYU TEKSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT. 63

346,574

THE LDM-1-24 GENERAL-PURPOSE AUTOMATIC COMPUTER BASED
ON FERRITE-DIODE MODULES, BY A. I. POSTERNAK,
I. I. PANFILOVA, ET AL, 9 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT 63

346,581

LONG TERM MEMORY DEVICES, BY K. I. KURBAKOV, 41 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TERMI, SBORNIK
MATERIALOV KINFERENTSI I PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT 63

346,532

MAGNETIC DRUM MEMORY UNITS WITH PHASE INSCRIPTION, BY
V. I. BABIY, 10 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRADOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT-63

346,583

MAGNETIC MEMORY UNIT INCORPORATING MAGNETIC CONTROL
MOZU-1000. CERTAIN FACTORS INVOLVED IN ADJUSTING
INDUSTRIAL MODELS, BY N. I. GRYAZNOV, P. V. DYATLOV,
10 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT. 63

346 587

PARAMETRON OUTPUT UNITS, BY A. G. FEDOTENKOV,
V. N. OZEROV, 14 PP.

RUSSIAN, BK, VYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENCEI PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESNOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT. 63

346,585

PULSE-TYPE POWER PACK FOR THE CYCLE MAGNETIC
ELEMENTS, BY B. M. PAUFILOV, 7 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT 63

346,580

SEMICONDUCTORS IN DEVICES FOR THE CONTROL OF A MAGNETIC
DECODER AND IN RAPID-CARRY KEYS FOR PARALLEL-ACTION
FERRITE-DIODE CIRCUITS, BY B. I. PEREL'MAN, 37 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOMU PEREVOOU I AVTOMATICHESKOMU CHTENIYU TEKSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT. 63

346,577

TRANSISTOR AND FERRITE TRANSISTOR ELEMENTS, BY
N. D. FEDOTOV, 11 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOMU PEREVODU I AVTOMATICHESKOMU CHTENIYU TEKSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PERIOD
OCT 63

346,576

Decennial of the Institute of High Molecular
Compounds of the Academy of Science of the
USSR; Sixth (Jubilee) Conference of the
Institute, 13 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya,
Vol I, No 1, 1999, pp 166-172.

SLA 60-18524

203,531

Sci

Jun 62

(NY-4486).

1st All-Union Conference on Nucleic Acids and
Nucleoproteins, by V. S. Tongur, P. I. Tsytlin,
9 pp.

RUSSIAN, per, Biochemicheskoye Soyedineniye, Vol II
no 5, 1960, pp 817-822.

JPRS 5387

1 - Nuc Phys
2 60

125,143

USSR Academy of Sciences Electronic Computer (Magnetic Memory Device), by A. A. Pavlikov, 128 pp.

RUSSIAN, bk, Bystrodaystvuyushchaya Elektronnaya Schetnaya Mashina ~~AN-600R~~ (Magnitnoye Zapominozashcheyeye Ustroystvo), Moscow, 1957, 76 pp.

ATIC P-TS-9703/V
available OTS

Sci - Electronics
Nov 59

102,422

High-Speed Ferromagnetic Memory Units, by
L. P. Kraymer, 404 pp.
RUSSIAN, bk. Vystroystvo i ustroystva
Zapomnyayushchiye Ustroystva, 1964, pp 1-372.
F100135268-V
ITD-WT-66-62

Sci-Mnt
Jul 68

399,991

The M-2 High-Speed Computer, by M. A. Kartsev,
T. M. Aleksandridi, V. D. Knyazev, et al,
470 pp.

RUSSIAN, bk, Vystroyayemyushchaya
Vychislitel'naya Mashina M-2, 1957, pp 228.
966244

ATTC MEL-162/1

Dai - Electron
Jul 61
Telecom 41319

159,254

Rapid Methods for the Determination of Noxious
Substances in the Air, by Ye. A. Perehud, Ye. V.
Gernet, M. S. Bykhovskaya. 103 pp.
RUSSIAN, book, Bystryye Metody Opredeleniya Vred-
nykh Veshchestv v Vozdukhe, 1962, pp 9-10, 17-41,
47-59, 62-70, 80-97, 182-186, 253-254.
AIR/FTD-HC-23-1401-68

Aug 71

(TID 28105).

Be Vigilant Always and Everywhere, by P. Mas'yakov,
99 pp.

RUSSIAN, monograph, Pril'ozheniye k Vozdukh i Vozdukh,
Moscow, 1954, pp 1-72.

CIA/TID U-8762

37, 833

USER
M11

Aug 56 CTS/DMK

Astronomy for Advanced Students,

RUSSIAN, per, Byulleten, No 35 of the
Astronomical Observatory Kazan State Univ,
1960 Chapter I&P & S Chapter II, p 18.

ATIC WCL-1338/1

Sci - Astron

Jul 61

TD-27-589

(DC-4700)

Instruction on the 2m Procedure for
Awarding Bonuses to Personnel of
Design Organizations, by 19 PP.

RUSSIAN, per, Ryulleten', No 10, 1961,
PP 9-17.

JPBS 13136

190,898

USSR
Econ
Apr 62

(DC-2 4700)

Statute on Bonuses to Personnel of State
Farm Trusts, pp 4 pp.

RUSSIAN, per, Bulletin', No 10, 1961,
pp 22-24.

JPMS 13136

USSR
Econ
Apr 62

190,902

Instructions for Maintaining Work Record Books at Enterprises,
Institutions, and Organizations, 12 pp.

RUSSIAN, per, Byulleten', No 9, 1963, pp 18-20.

JPRS 22459

USSR
Econ
Jan 64

245, 485

Decree on Improvement of Labor Standardization
in Industry, 11 pp.
RUSSIAN, per, Pravda, No 9, Sep 1964, pp
10-16.
JPRS 28734

USSR
Econ
Mar 65

276,075

Regulation of the Council of National Economy
USSR of 5 August 1964, No. 873, 5 pp.
RUSSIAN, per, Pravda, No 9, Sep 1964, pp
19-21.
JPRS 28734

USCR
Econ
Mar 65

276,076

Spectrohelioscopic Observations Carried Out on the
Kazbiki Mountain During 1941-1944, by Sh. N.
Chikhaia, L. I. Georgobiani, 3 pp. UNCL

RUSSIAN, per, Byul Abastumashoy Astrofiz Observ,
No 15, 1953, pp 169-180. CIA 64139

ATTC 7-22-9704/III

Sci - Astron
Apr 59

85,042

Manifestation of Solar Activity in Eruptions, by
T. S. Razmadze. UNCLASSIFIED

RUSSIAN, per, Byulleten' Abastumani Astrofizicheskaya
Observatoriya, No 16, 1954, pp 59-138.

*ATIC F-TS-9783/V

Sci - Astronomy
18/11/58

Spectroheliographic Observations on Kanobilli Mt.
From 1945-1947, by Sh. N. Chikhlidze, 1 pp. *UNCL*
RUSSIAN, per, S/ul Abastumansky, Astrophis Observ.,
No 16, 1954, pp 149-272. CIA 644541

ATIC F-75-9703/III

Sci - Astron
Apr 59

Study of the Polarization of Radiation From the
Solar Corona on Observation of Total Solar
Eclipses on 25 Feb 1972, by M. A. Vashakidze, 31 pp.

RUSSIAN, per, Ryad Akhmetiani Astrofiz Obscr, No 17,
1974, pp 3-24.

ATTC NCL-001/III

Sci - Astron

Dec 60

134,610

Certain Results of Electrophotometric Observations of the OI, Na and OH Emissions and the Continuum in the Airglow, by L. M. Fishkova, G. V. Markova, 20 pp.

RUSSIAN, per, Byul Abastumani Astrophysical Observatory. No 24, 1950, pp 161-173. 96784903

FTD-TT-62-1076

217,625

Sci-Phys
Dec 62

Byul Ak Med Nauk

Full translation (6 vol, 36 issues)
Consultants Bureau
\$235.00 60 00

On Intrinsically Perfect Methods of Summation,
by V. M. Derevsky, 11 pp.

RUSSIAN, per, Byull Ak Nauk USSR, Ser Math, Vol X,
1946, pp 97-104.

SIA Tr R-1

Jan 127

Sci - Math
Apr 1957

#6, 141

The Representation of Multi-Component Systems, by
R. L. Pevsner, A. S. Bereshnoy.

RUSSIAN, per, Byul Ak Nauk USSR, No 1, 1947,
pp 113-.

DSIR LLU M.1394
(loan)

Sci - Math

Sep 60

127,037

What the Fourth International Congress of
Sociologists Showed, by P. N. Fedoseyev, 9 pp.

RUSSIAN, per, Dzul Ak Nauk USSR, Jan 1960.

CIA/PDD X-4472

USSR

Pol

Nov 60

122,347

Toward Close International Cooperation in the Field
of Atomic Research, by V. S. Balynov, 16 pp.

RUSSIAN, per, Byul Ak Nauk SSSR, Feb 1960.

CIA/PDD X-4473

Sci - Phys

Nov 60

122,349

On Fish Behavior in the Zone Before a Trawl Under
the Influence of the Electric Field of an Alter-
nating Current and Mechanical Stimulus, by

V.A. Shentyakov.

RUSSIAN, per, Bull. Akad Nauk SSSR Inst Biol Vod,
1960, no. 8/9, pp. 46-49.

OTS-TT-64-19881

B/M
Aug 66

307,764

Golubev, V. N.
ÜBER DIE STELLUNG DER HALBSTÄUCHER IN DER
EVOLUTIONSREIHE DER LEBENSFORMEN VON DEN
RÄUMEN ZU DEN KRÄUTERN (On the Position of
Shrubs in the Evolution of the of the Living Forms from
the Trees to Herbs), 7p. (text in German).
Order from T. I. B. \$1.55

Trans. of Akademiya Nauk SSSR, Glavnyy Botaniches-
kiy Sad, Leningrad, 1960, vyp. 36

DESCRIPTORS: *Plants, *Genetics, *Trees.

62-27027

I. Golubev, V. N.
II. T. I. B.
III. Technische Informations-
bibliothek Hannover.

Office of Technical Services

TT-64-13094

Kozvran, G. Ya. and Petrus, G. A.
THE EFFECT OF THE DIRECTION AND TEMPERATURE
OF PRIOR DEFORMATION ON THE CREEP OF NICKEL
EL. (Vlivenie Stepeni i Temperatury Predvaritel'noi
Deformatsii na Polzuchest' Nikel'nykh). Jun 63 [12p]
(foreign text included) Refs (DSIR) NLL NL 5402.
Order from DTIC, NTIS, or EIC: \$1.00 TT-64-13094

I. Kozvran, G. Ya.
II. Petrus, G. A.
III. DSIR-NLL-54, 5402
IV. International Nickel Co.
(Monch) Ltd., London
(England)

Trans. of Academy of Sciences USSR, Div. of Metals
Metallurgiya, Spetsial'nyi Nauchnyi Rabot 1962, no. 10,
p. 34-43.

(Metallurgy: Structural, TT, v. 12, no. 2)

Office of Technical Services

NCH-888 643

Field 117

Tumanov, V. L.; Puzko, V. F.
SURFACE TENSION OF IRON-GROUP METALS AND THE
WETTING OF AEROS. Jan 63, 22p (foreign text included)
11 refs. NLL-M-5624.
Order from NLL as M-5624

Trans. of Akademiya Nauk USSR, Kiev. Inst. of
Metallochemistry & Speciality Chemistry. Byulleten.
p141-41 1963.

I. International Nickel Co.
(Mon) Ltd.,
London, (England)

Tsvetich, V. [P.].
COMPUTATIONS OF THE ELEMENTS OF THE
ORBITS OF THE ECLIPSING STARS OF THE TYPE
OF ALQOL: TABLES. [196] (48 p. (Foreign tax
included)).

Order from OTS or SLA \$4.60

63-14920

Trans. of [Astronomical Society, London] Tsvetich:
eclipsing Stars. [Byulleten'] a. d., v. 2, no. 45,
p. 115-152.

DESCRIPTORS: *Stellar eclipses, *Variable stars,
*Stars, Optical properties, Mathematical analysis,
Astronomical data, *Tables, Astronomy, Photometry.

(Astronomy--Astrophysics. BT, v. 13, no. 9)

63-14920

1. Tsvetich, V. P.

Title of Related Section

Tesovich, V. P.
**PHOTOMETRIC PHASES OF THE ECLIPSES OF
VARIABLE STARS OF THE ALGOI TYPE. TABLES.**
[1968] [27] p. 6 refs.
Order from OTS or SLA \$3.60 63-14921

Trans. from (Akademiya Nauk SSSR, Institut
Teoreticheskoi Astronomii, Byulleten') v. 4 (v. 3)
no. 30.

DESCRIPTORS: *Solar eclipses. *Variable stars.
Optical properties. Mathematical analysis. Astro-
nomical data. Tables. Astronomy. *Stars.
Photometry.

The paper consists of two parts. In the first part the
photometric phases for an annular eclipse are com-
puted. The computations are based on the assumption
that the darkening of the disk of the eclipsed star
(Astronomy--Astrophysics, TT, v. 10, no. 9) (over)

63-14921

I. Tesovich, V. P.

Office of Technical Services

Zhongolovich, I. D. and Kulikov, D. K.
CONDITIONS OF APPLICATION OF STOKES' CLASSIC
FORMULA [AND] THE USE OF ANALYTICAL COM-
PUTERS FOR MULTIPLYING TRIGONOMETRIC SE-
RIES. [1962] (31 p. 18 refs. ACIC RR-60-(P-G).
Order from OTS or SLA \$3.60 62-25441

Trans. of Akademiya Nauk SSSR, Institut Teoreticheskoy
Astronomii, Byulleten' 1949, v. 4, no. 6(59)
p. 270-286.

DESCRIPTORS: *Computers, *Numerical methods and
procedures, Determination, Earth, Geometric forms,
*Trigonometry, *Series, *Geodesics, Gravity
anomalies.

(Earth Sciences--Geodesy, TT, v. 9, no. 10)

62-25441

- I. Title: Stokes' formula
- I. Zhongolovich, I. D.
- II. Kulikov, D. K.
- III. Title: Use ...
- IV. ACIC RR-60-(P-G)
- V. Aeronautical Chart and
Information Center,
St. Louis, Mo.

Office of Technical Services

BULLETIN OF THE INSTITUTE OF THEORETICAL
ASTRONOMY, ACADEMY OF SCIENCE USSR, 1953,
VOL. 5, NO. 5(71): [SELECTED ARTICLES]. [462]
[184p. 48 refs. ACIC RR-40.
Order from OTS or SLA \$13.00 62-15988

Trans. of Akademiya Nauk SSSR. Institut Teoreticheskoy Astronomii. "Byulleten'" (1953, v. 5, no. 5(71))
p. 461-539.

DESCRIPTORS: Astronomy, *Astronomical data,
Navigation charts, *Moon, *Computers.

Contents:

Summary of the Conference on the "Astronomical
Yearbook of the USSR"

The Astronomical Yearbook of the USSR and the basic
tasks of ephemeris astronomy, by M. P. Subbotin
"The Astronomical Yearbook of the USSR", a brief
(Astronomy, TT, v. 8, no. 7) (over)

62-15988

- I. Title: Ephemeris
- I. ACIC RR-40
- II. Aeronautical Chart and
Information Center,
St. Louis, Mo.

Office of Technical Services

Shashova, M. Ya. and Sochilina, A. S.
**APPROXIMATE DETERMINATION OF THE CIRCULAR
 ORBIT OF AN ASTEROID** (1968) 8p draft
 Order from OTS, SLA, or ETC 8.10 TT-65-20413

Trans. of (Akademiya Nauk SSSR) Inst. of
 Teoreticheskoi Astronomii (Sverdlovsk), 1968, v. 7,
 no. 1 (84) p. 72-73. (Abstract available)

DESCRIPTORS: *Numerical methods and procedures.
 Analytic geometry. *Circular orbit trajectories.
 *Orbital trajectories. *Asteroids. Celestial mechanics.

A method is proposed for determining the radius of the
 circular orbit which is based on the replacement of the
 condition of the circular orbit $v_2 - v_1 = \ln^{-3/2}$
 $(t_2 - t_1)$ by the approximate equality $\gamma = \ln^{-3/2}$
 $(t_2 - t_1)$, where γ is the known angle between the
 geocentric directions. The value of the radius found
 from this condition is either a good first approximation,
 or (in the majority of cases) its final value. (Author)

TT-65-20413

I. Shashova, M. Ya.
 E. Sochilina, A. S.

(Astronomy-Astrophysics,
 TT, v. 11, no. 3)
 Office of Technical Services

TITLE ERRORS IN NUMERICAL INTEGRATION OF
THE EQUATIONS OF CELESTIAL MECHANICS:
TRANSLATION OF RUSSIAN PAPERS, 12. by
B. C. Hubbard and Blanche M. Hubbard 17 Aug 61
[S]p. 5 refs. 61-28369
Order from OTS or SLA \$5.00

Trans. of [Akademiya Nauk SSSR]. Institut Teoreticheskoy Astronomii. "Byulleten", 1959, v. 9, no. 4(87)
p. 257-286.
Other translations of each article available elsewhere.

DESCRIPTORS: *Celestial mechanics, *Differential equation, Integration, Errors, Theory, Numerical methods and procedures.

Contents:
The estimation of the error resulting from numerical
(Astronomy--Astrophysics, TT, v. 6, no. 12) (over)

61-28369

1. Naval Response Lab.,
Dahlgren, Va.

Office of Technical Services

Betrakov, Yu. V.

THE DETERMINATION OF PRELIMINARY ORBITS
OF ARTIFICIAL SATELLITES FROM OBSERVATIONS
THE TIMES OF WHICH ARE ONLY KNOWN AP-
PROXIMATELY (Opredelenie Pervonachal'nykh Orbit
Izvestnykh Sputnikov iz Nablyudeni, Momeny
Kotorykh Iznany Priblizhenno) tr. by J. W. Palmer.
Sep 60 [20p] 2 refs RAE Library Trans. no. 919;
AD-246 605.

Order from OTS, SLA, or ETC \$1.60 TT-63-24313

Trans. of [Akademiya Nauk SSSR] Institut
Teoreticheskoi Astronomii, Trudy, 1960, v. 7,
no. 7(90) p. 570-580. (Abstract available)

DESCRIPTORS: *Satellites (Artificial). *Orbital
trajectories. Determination. Numerical methods and
procedures. Equations. Vector analysis.

(Engineering--Satellite Vehicles, TT, v. 11, no. 2
(over))

TT-63-24313

- I. Betrakov, Yu. V.
- II. RAE Trans-919
- III. AD-246 605
- IV. Royal Aircraft Establish-
ment (Ot. Brk.)

Office of Technical Services

Myechin, V. F.
CRITERION FOR CHANGING THE INTEGRATION
STEP IN NUMERICAL INTEGRATION OF EQUATIONS
OF CELESTIAL MECHANICS BY THE GENERALIZED
RUNGE METHOD. Sep 62 (9)p. 2 refs.
Order from ARS in its journal, v. 32, no. 9, \$3.00

Trans. of [Akademiya Nauk SSSR], Institut Teoreticheskoi Astronomii. Byulleten', 1961, v. 8, no. 2(95)
p. 134-152.

DESCRIPTORS: *Celestial mechanics, Mechanics,
*Differential equations, *Integration, Numerical
methods and procedures.

(Astronomy--Astrophysics, TT, v. 9, no. 1)

63-12225

- I. Myechin, V. F.
- II. American Rocket Society,
New York
- III. Research Information
Service, New York

Office of Technical Services

61-28000

Vlodavetz, V. I.
PASSIVE AND ACTIVE DEFENSE FROM THE CAT-
ASTROPHIC ERUPTIONS OF VOLCANOES (Passiv-
naya i Aktivnaya Zashchita pri Katastroficheskikh
Vulkanov) tr. by M. Sleesers. 1961 [33] p. 10 refs.
HO Trans-110.
Order from OTS or SLA \$3.60 61-28000

Trans. of [Akademiya Nauk SSSR, Kamchatkaya
Vulkanologicheskaya Stanetsiya, Kiyuchi]. "Byulleten'
Vulkanologicheskoi Stanetsii [ss Kamchatka] 1959,
no. 28, p. 79-91.

DESCRIPTORS: *Volcanoes, *Damage control.

A review of major volcanic eruptions in the past and
present constitutes the basis for analysis of various
types of volcanic activity in the world with a view to
pointing out the necessary protective steps to be taken
(Earth Sciences--Geology, TT. v. 7, no. 4) (over)

I. Vlodavetz, V. I.
II. HO Trans-110
III. Navy Hydrographic Office,
Washington, D. C.

Office of Technical Services

Petrov, O. M.
THE STRATIGRAPHY OF THE QUATERNARY DE-
POSITS OF THE SOUTHERN PARTS OF THE
CHUKOTSK PENINSULA
M. C. Blake, tr. [1964] [29p] 15refo
Order from UTS, SLA, or ETC \$2.60 TT-64-15215

Trans. from [Akademiya Nauk SSSR. Komissiya po
izucheniyu Chetvertichnogo Perioda. Byulleten'] 1961,
no. 28.

(Earth Sciences--Geology. TT v. 12, no. 2)

TT-64-15215

I. Petrov, O. M.
II. Geological Survey,
Washington, D. C.

Office of Technical Services

The Problem of Selecting a Radar Transmitter for
Radar Observation of Meteor Trails, by F. I.
Peregudov, 3 pp.

RUSSIAN, per, Byul Ak Nauk SSSR, Komissia po
Kometam i Meteoram, No 2, 1958, pp 44-45. 9668694

Amer Meteorol Soc T-R-397

Sci - Electron
May 63

Preservation of the Natural Resources and Forestry
in the USSR.

RUSSIAN, per, Byul Akad Nauk SSSR, Komiss po
Okhrane Prirody, No 4, 1960, pp 136.

*PL 480

OTS V 1 6, No 10

Barik, I. E. and Zharov, A. P.
**THE APPLICATION OF THE RADIOCARBON METHOD
 TO INVESTIGATIONS OF MODERN SEDIMENTATION
 PROCESSES** (Primeneniye Radiouglerodnogo Metoda k
 Issledovaniyu Protsessov Sovremennogo Otdelno-
 bovaniya) tr. by Ivan Minin. 1968 (17p. (foreign
 text included) 15 refs.

Order from OTS, SLA, or ETC \$1.60 TT-68-19898

Trans. of Akademiya Nauk SSSR, Kazanskaya
 Otdel'naya Akademiya Vostochno Geologicheskikh
 Formant. Sovetskaya, 1968, No. 2, p. 38-42.

DESCRIPTORS: *Radioisotopes, *Ocean, *Ocean
 bottom sampling, *Geologic age determination,
 *Scientific centers, *Marine geology, *Geohistory,
 *Oceanology.

(Earth Sciences--Oceanography, TT, v. 11, no. 1)

TT-68-19898

I. Barik, I. E.
 H. Zharov, A. P.
 III. Geological Survey,
 Denver, Colo.

Office of Technical Services

Nitric Acid Processes Used in the Manufacture of Cellulose.

RUSSIAN, per, Bull Assoc Tech Ind Papetiere, Vol III,
No 2, 1949, pp 32-37.

Possibly to Come From Contacts
per 10 Dec 62 memo
USIB INTERNAL USE ONLY

USSR- Econ
Sci - Chem

Dec62

Results of the Gravitational Observations in the
Groznyy Region in 1928, by B. Winerov.

RUSSIAN, per, Byull Astron Inst, No 23, 1929,
pp 21-25.

ACIC

Sci - Geophys

203, 178

Jun 62

Determinations of Gravity Along the Severnaya Dvina
River and Its Tributaries in 1928, by A. Gizhinskiy.

RUSSIAN, per, Byull Astron Inst, No 23, 1929, pp 25-28.

ACIC

Sci - Geophys

Jan 62

203,119

Special Geodetic Assignment: XLII, Bulletin
No. 47, 1939 of the (Leningrad) Astronomical
Institute. 31 pp.

ASTRON INST
RUSSIAN, per, Bulletin, No 47, Leningrad,
1939, pp 211-226.

AF SIR-3010

USSR
Sci - Astronomy
May 59

87,128

Special Geodetic Assignment: XLIII, Bulletin
No. 49, 1939 of the (Leningrad) Astronomical
Institute, 21 pp.

ASTRON INSI
RUSSIAN, per, Bulletin, No 49, Leningrad,
1939, pp. 271-282.

AF SIR-3009

USSR

Sci - Astronomy

May 59

87,129

Stokes' Formula for the Case of an Ellipsoidal
Level Surface, by V. D. Zagrebin.

RUSSIAN, per, Byulleten' Astronavigatsionno In-
stitutu Akademii Nauk SSSR, No 52, 1941, p

pp 407-435.

ACIC TC-929

Sci/Earth Sci

Mar 67

529,668

Diffusion of Meteoric Trails, by O. V.
Dobrovol'skiy, 24 pp.
RUSSIAN, per, Byulleten Astronimicheskaya
Observatoriya, Stalinabad, 1952, No 1,
pp 15-26.
OTS TT-64-71280

Jul 66

305,405

A Survey of Radar Observations of Meteor
Activity, Conducted at the Engel'gardt
Astronomical Observatory from May 1956
Through August 1958, by Yu. A. Pupyshov,
7 pp.

RUSSIAN, per, Byul Astron Observator Kazan
Univer, No 35, 1960. 9671693

FTD WUL-1338/1

Sci - Aero
20 Nov 61

178, 166

The Apparatus of the Engel'gardt Astronomical
Observatory for Radar Observations of Meteors,
by K. V. Kontyev, Yu. A. Pupshev,
V. V. Sidorov, 23 pp.

RUSSIAN, per, Byul Astron Observator Kazan.
Univer, No 35, 1960. 9571693

FTD MEL-1338/1

Sci - Aero

29 Nov 61

178, 168

A Comparison of Three Types of Mirror-Lens Systems,
by T. S. Belorossova.

RUSSIAN, per, Byulleten Astron Observ Komitet
Sluzhby Vremeni Pulkovo, Vol XXII, No 169, 1961,
pp 114-122.

• ~~1/2~~ Corp

Sci-Engr

Dec 63

Byl Exper Biol i Med

Beginning 1956 available Consultants Bureau
in full translation of each issue.
By subscription \$95.00

On the Question of the Mechanism of Specific
Bacteriolysis, by A. G. Izrael'skiy, 7 pp.

cyw
RUSSIAN, per ~~Sci~~ *Exptl Biol & Med*, Vol XIX,
1929, pp 334-337.

SLA R-3394

Sci

Aug 59

95,046

The Dependence of the Process of Metamorphosis of
Axolotls on Factors of Age, Coloring, and Sex,
by L. P. Lipchina, 12 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol XIII,
1929, pp 73-78.

19,458

AEC Tr No 1975

Scientific - Medicine

Nov 54 CTS

Changes in the Electrical Sensitivity of
the Eye during the Course of the Day, by
A. I. Bogoslovskiy, 6 pp.
RUSSIAN, per, Bulleten' Eksperimental'noi
Biologii i Meditsiny, Vol 3, 1937. pp 140-
142. P911049768
AEC UCRL-Trans-10167

Sci-B&M
Mar 68

350,678

On the Effect of Sound on the Electrical
Sensitivity of the Eye, by A. I. Bogoslavskiy,
9 pp.

RUSSIAN, per, Bulleten' Eksperimental'noi
Biologii i Meditsiny, Vol 3, 1937, pp 329-332.

F911048768

ABC UCRL-Trans-10168

Sci-BMM
Mar 68

350,676

On the Question of Fusion of Light Flicker
brought about by Electrical Stimulation of
the Eye (Preliminary Communication), by
A. I. Bogoslovskiy, 10 pp.

RUSSIAN, per, Byulleten' Eksperimental'noi
Biologii i Meditsiny, Vol 3, 1937, pp 333-
336. P011048463

SEC UCR-Trans-10169

NTC 71-13777-06P

Sci-Bs^M

Mar 68

350,679

Form-Developing Potentials of Skin in the Process
of Regeneration; I. Participation of Alien
Skin in the Process of Regeneration of a Limb
of the Anotoli, by O. G. Goltsman, 10 pp.

RUSSIAN, par, ~~Enall. Enall. Biol. i Med.~~ Vol VIII,
No 2, 1939, pp 119-122. CIA D 15135

RT-3542

Scientific - Medicine

24, 851
CIS 69/Jun 95

Revo, M. V. and Abdullin, Kh. Kh.
**B ANTHRAXIS IN COLLOID SACS IN THE RABBIT
ORGANISM.** [1961] 3p. CWI. Trans. 42; Misc Tr 452.
Order from OIS or SLA \$1.10 61-19725

Trans. of Byulleten' Eksperimental'noy Biologii
Meditsiny (USSR) 1979, v. 8, no. 3/4, p. 226-227.

DESCRIPTORS: *Bacillus anthracis

(Unannounced)

61-19725

I. Revo, M. V.
II. Abdullin, Kh. Kh.
III. CWI. Trans. 42
IV. CWI. Misc Tr 452
V. Army Chemical Corps,
Fort Detrick, Md.

184117

Office of Technical Services

Byall Ekypes Biol & Med Vol 10, # 1-2, 8-11 (1980)

Period of Stay of Carcinogenic Substances at
the Place of Introduction + Way of their
Elimination from the Organism.

M. I. Tildeman
T. E. Furman

Done by Nat. Inst. of Health
Bethesda, Md.

* X-29

Chemical Nature of the Active Substance Appearing
in the Sympathetic Ganglion During the Stimulation
of its Preganglionic Fibers, 7 pp.

RUSSIAN, per, Byulleten Eksperimental'noi Bio-
logii i Meditsiny USSR, Vol XI, No 5, 1941,
pp 432-434.

K H 1184 a

Sci-B&M

Jul 66

307,257

On the Problem of Changes in Physico-
Chemical and Biological Properties of
Pilots' Saliva During Rolling, Turning,
and Hypoxia, by V. V. Yefimov,
B. V. Tolokonnikov, et al, 8 pp.
RUSSIAN, per, Byulleten' Eksperimental'noy
Biologii i Meditsiny, Vol XIII, No 5,
1942, pp 44-47. P100073866
FTD-TT-65-1645

Sci-8611
Jan 67

317,478

Effect of Nicotinic Acid on the Coagulability of Blood,
by L. A. Cherkas, et al. UNCLASSIFIED

RUSSIAN, per, ^{CR} ~~Byul. Khim. Biol. Med.~~ Biol. Med. Vol XIV,
No 11-12, 1942, pp 50-53.

Assoc Tech Ser,
69728

Price: \$6.00 ± (.75)

Scientific - Chemistry

18,099

Modification of the Carbon Rate C/N in Yperite
Poisoning, by A. I. Aivazyan, 5 pp.

Y
RUSSIAN, per, Bulleten' Eksperimental'noi Bio-
logii i Meditsiny, Vol XV, No 1-2, 1943, pp 29-32.

Y
Sci Trans Center RT-581

Scientific - Medicine
CTS/DKX

10,954

Modification of the Urine Oxidizing Coefficient
 V_{O_2}/N in Iperite Poisoning, by A. I. Aghvanyan, 6 pp.

RUSSIAN, per, Bulleten' Eksperimental'noi Biologii i
Meditsiny, Vol XV, No 1-2, 1943, pp 32-35.

SLA R-1073
Sci Trans Center RP-582

10,955

Scientific - Medicine
CTB/DEX

Sybil etc. Rio Grande Vol. xv, ^o 1-2, p 60-2 (1783)

The Influence of Rapid Re-Warming on Blood
Pressure & Respiration in Acute Hypothermia

M. Stantonia

Done by Lee Huns Cox

61 348 11/18/93

AEC 4 194-

Broadbent

Physiology of Stasis Due to Cold, by N. A.
Arkhangel'skaya, 6 pp.

RUSSIAN, per Bulletin Experimental and
Biological Medicine, Vol XV, No 3, 1963, pp 17-19.

1
1

Sci Trans Center RT-583

Scientific - Biology
CTS/DKX

10,961

Byrd Chs Biol & Med. No 3, 1999 P. 63-5

"The Effect of Certain Pharmacology
Remedies on Visual Acuity Under
Conditions of Faint Illumination
and Reduced Barometric Pressure"

Proj 5959

ST-73

SR 17 July 1950

Zharshil, T. B.
EFFECT OF HEXONE BASES ON THE GROWTH OF
CANCEROUS TUMORS IN MICE

H. Norris, tr. 18 Jan 49, 3p (includes omitted) 2cols
Order from OTS, SLA, or ETC \$1.10 TT-60-19709

Trans. of Byull[oson'] Khim[imomol'mol]
Biolog[il i Mediciny](USSR) 1944, v. 18, no. 4,
p. 15-18.

DESCRIPTORS: Mice, Neoplasms, *Cancer, Growth,
Medical research, Biochemistry.

(Biological Sciences--Pathology, TT, v. 11, no. 3)

TT-60-19709

- I. Title Hexone bases
- I. Zharshil, T. B.
- II. National Institutes of
Health, Bethesda, Md.

Office of Technical Services

238,110